IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

Assignee:

Luminous Networks, Inc.

Title:

Routing Switch Detecting Change In Session Identifier Before

Reconfiguring Routing Table

Serial No.:

09/519,441

Filing Date:

March 3, 2000

Examiner:

Unknown

Group Art Unit:

2739

Docket No.:

M-8564 US

San Jose, Califor RECEIVEDFebruary 15, 20

MAR 1 1 2002

Attn: Official Draftsperson COMMISSIONER FOR PATENTS Washington, D. C. 20231

Technology Center 2600

SUBMISSION OF FORMAL DRAWINGS

Dear Sir:

Applicants submit thirteen (13) sheets of formal drawings, consisting of Figures 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12A, 12B, in the above-named application. If there are any questions regarding these drawings, please call the undersigned at (408) 453-9200.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on February 15, 2002.

Attorney for Applicant(s)

Respectfully submitted,

Brian D. Ogenowsky Attorney for Applicant(s)

Reg. No. 31,988

LAW OFFICES OF SKJERVEN MORRILL MacPHERSON LLP

. .

25 METRO DRIVE SUITE 700 SAN JOSE, CA 95110 (408) 453-9200 FAX (408) 453-7979

845469 vi

-1-

Serial No. 09/519,441

AFPROVED O.G. FIG.

CEASTSMAN

Attorney Docket No.: M-8564 US Appin. No.: 09/519,441
Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

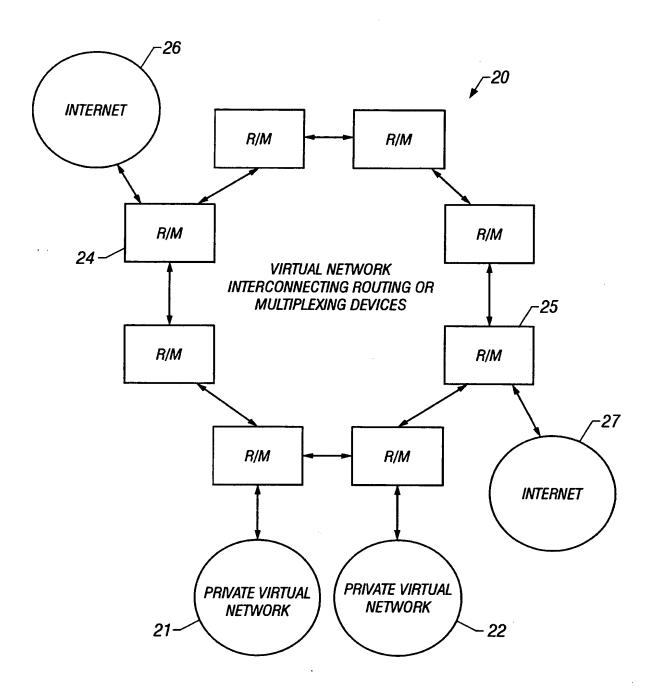
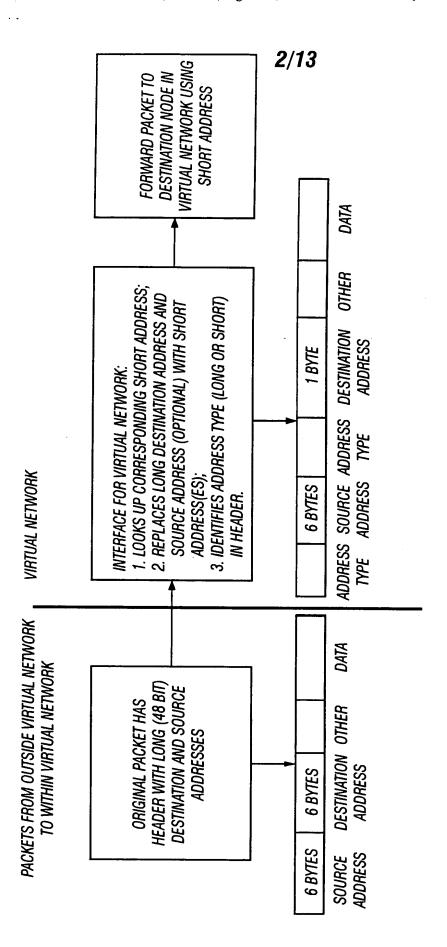


FIG. 1

. S.

1

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.



F1G. 2

7

-- Did 14-3 Reconfiguring Routing Table

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

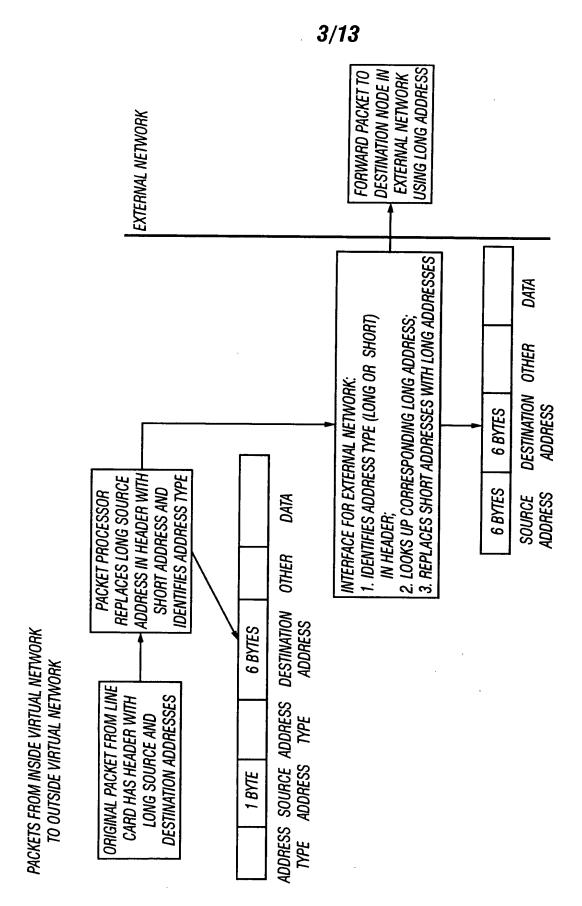


FIG. 3

Routing

ch Detecting Change In Session Identifier Be Attorney Docket No.: M-8564 US

Reconfiguring Routing Table Appin. No.: 09/519,441 Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

4/13

DATA USING SHORT ADDRESSES FORWARD PACKET TO **DESTINATION NODE IN** VIRTUAL NETWORK SOURCE ADDRESS DESTINATION OTHER ADDRESS TYPE ADDRESS 1 BYTE WITH SHORT ADDRESSES AND IDENTIFIES ADDRESS TYPE REPLACES LONG SOURCE AND DESTINATION ADDRESSES IN HEADER PACKET PROCESSOR 1 BYTE *ADDRESS* NPE PACKETS FROM INSIDE VIRTUAL NETWORK TO WITHIN VIRTUAL NETWORK DATA ORIGINAL PACKET FROM LINE CARD HAS HEADER WITH **DESTINATION ADDRESSES** LONG SOURCE AND DESTINATION OTHER ADDRESS 6 BYTES 6 BYTES ADDRESS SOURCE

ASPROHED O.G. FIG.

Attorney Docket No.: M-8564 US

Reconfiguring Routing Table
Appin. No.: 09/519,441

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

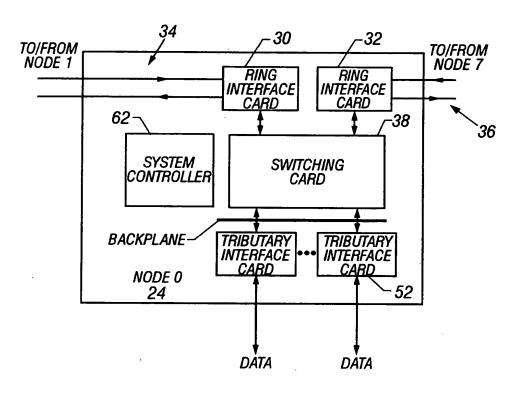


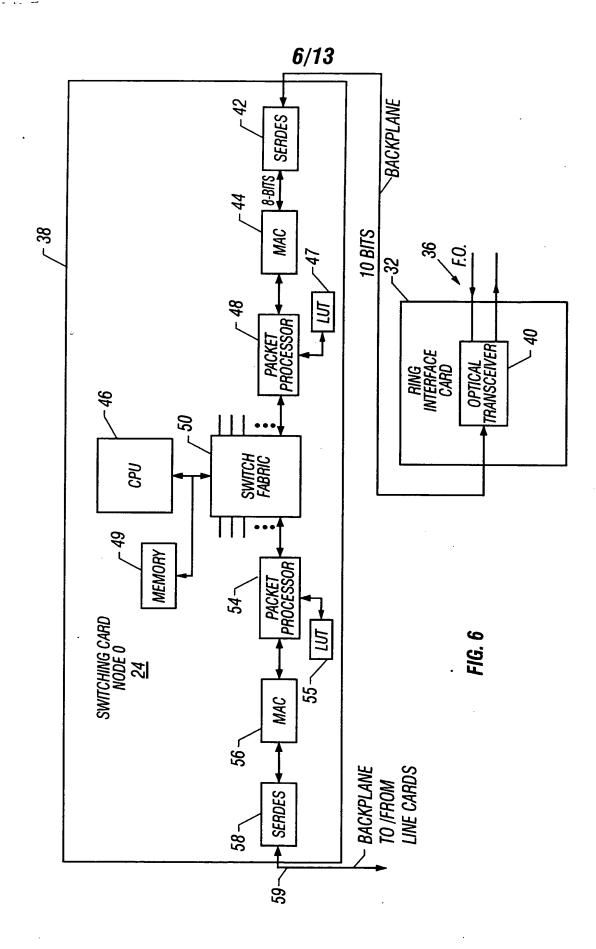
FIG. 5

15PROVED

C. WISKAM

Reconfiguring Routing Table Appin. No.: 09/519,441

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.



ch Detecting Change In Session Identifier Be Reconfiguring F Attorney Docket No.: M-8564 US Appl. n. No.: 09/519,44 Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K. Routing

Reconfiguring Routing Table n. No.: 09/519,441

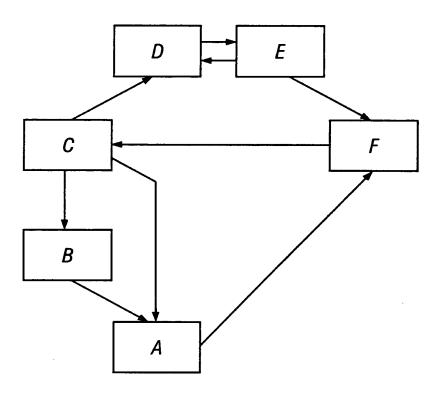
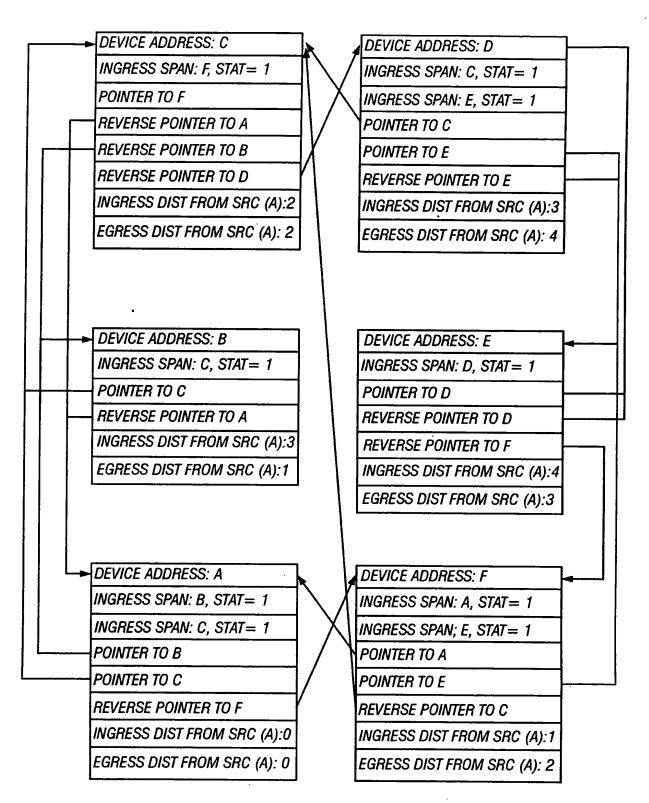


FIG. 7

. Casive Sea

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.



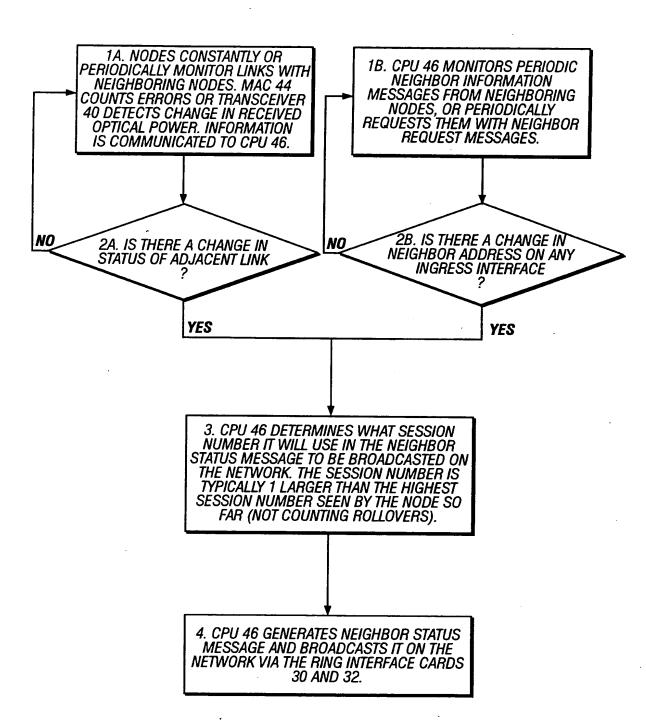


FIG. 9

. زارداندار.

Reconfiguring Routing Table
Appin. No.: 09/519,441

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

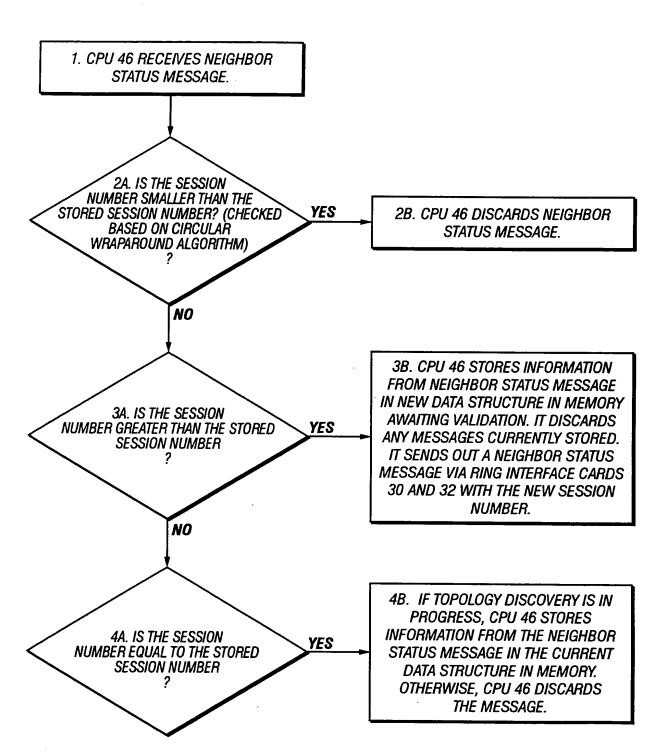


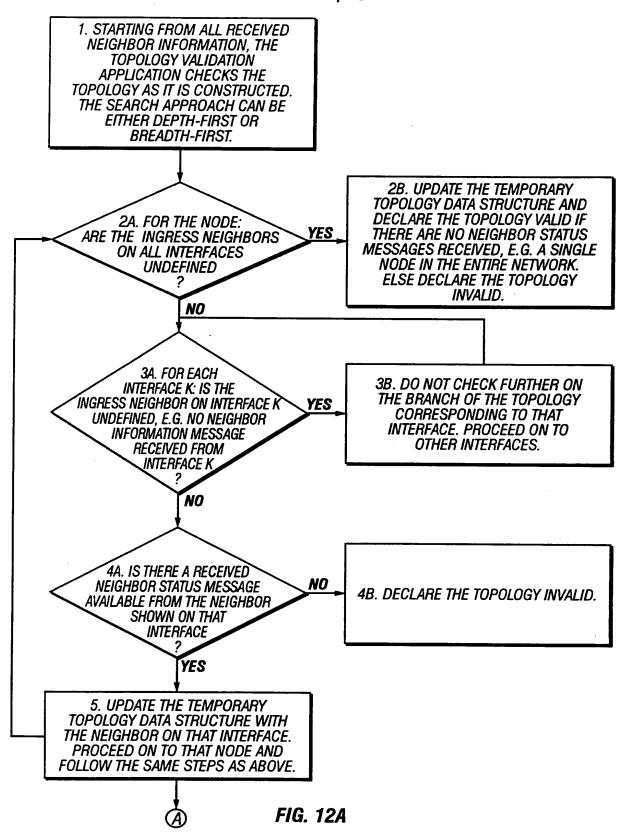
FIG. 10

11/13 1. CPU 46 RECEIVES NOTIFICATION THAT TOPOLOGY DISCOVERY TIMER HAS EXPIRED. 2B. CPU 46 RESETS TOPOLOGY DISCOVERY TIMER AND CONTINUES WITH TOPOLOGY DISCOVERY. IF 2A. DOES TOPOLOGY NO TOPOLOGY DISCOVERY TIMER STABILITY TIME EXCEED EXCEEDS MAXIMUM LIMIT, CPU THRESHOLD 46 STOPS TOPOLOGY DISCOVERY AND REPORTS AN ERROR. YES 3. CPU 46 PERFORMS TOPOLOGY CONSTRUCTION AND VALIDATION. 4B. CPU 46 REPLACES CURRENTLY STORED TOPOLOGY WITH NEW TOPOLOGY. IT REINITIALIZES COUNTERS. ETC. FOR NEXT ROUND YES 4A. IS THE TOPOLOGY OF TOPOLOGY DISCOVERY. IF DUAL-**VALID** MODE ADDRESSING IS USED. IT DETERMINES THE MAPPING FROM LONG ADDRESSES TO SHORT NO ADDRESSES. 5. CPU 46 DISCARDS DISCOVERED TOPOLOGY. IT REINITIALIZES COUNTERS. ETC. FOR NEXT ROUND OF TOPOLOGY DISCOVERY. IT SENDS OUT A NEIGHBOR STATUS MESSAGE WITH AN INCREMENTED SESSION NUMBER TO FORCE A NEW ROUND OF TOPOLOGY DISCOVERY. THIS MAY BE DONE INDEFINITELY, OR A MAXIMUM OF A CONFIGURABLE

FIG. 11

NUMBER OF TIMES.

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.



Routing Such Detecting Change In Session-Identifier Be Reconfiguring Routing Table
Attorney Docket No.: M-8564 US Appin. No.: 09/519,441

Inventors: Fan, Jason C.; Jogalekar, Prasad P.; Bannai, Vinay K.

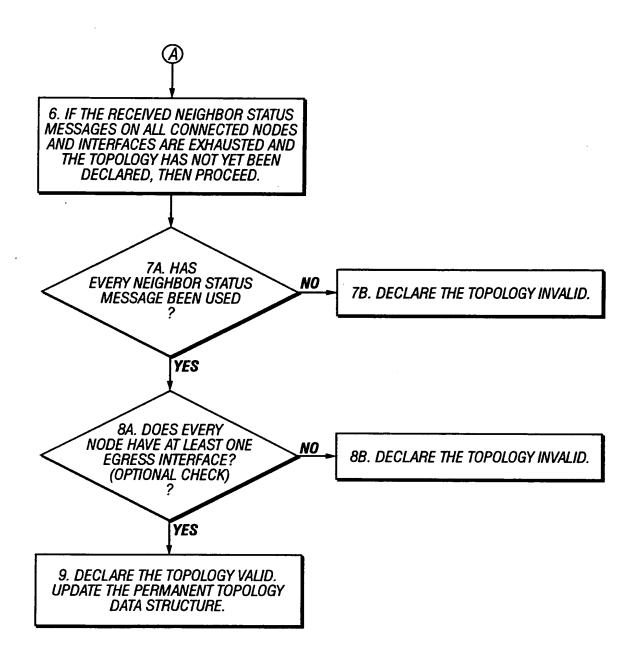


FIG. 12B